

Maryland Historical Trust

Maryland Inventory of Historic Properties number: WA-II-1120

Name: Marble Quarry Blower Little Antietam Creek

The bridge referenced herein was inventoried by the Maryland State Highway Administration as part of the Historic Bridge Inventory, and SHA provided the Trust with eligibility determinations in February 2001. The Trust accepted the Historic Bridge Inventory on April 3, 2001. The bridge received the following determination of eligibility.

MARYLAND HISTORICAL TRUST	
Eligibility Recommended _____	Eligibility Not Recommended <u>X</u>
Criteria: <u> </u> A <u> </u> B <u> </u> C <u> </u> D Considerations: <u> </u> A <u> </u> B <u> </u> C <u> </u> D <u> </u> E <u> </u> F <u> </u> G <u> </u> None	
Comments: _____	

Reviewer, OPS: <u>Anne E. Bruder</u>	Date: <u>3 April 2001</u>
Reviewer, NR Program: <u>Peter E. Kurtze</u>	Date: <u>3 April 2001</u>

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Maryland Inventory of Historic Properties
Historic Bridge Inventory
Maryland State Highway Administration
Maryland Historical Trust

MHT Number WA-II-1120

Name and SHA No. Marble Quarry Road over Little Antietam Creek/W 6081 (W608110)

Location:

Street/Road Name and Number: Marble Quarry Road

City/Town: Gapland Vicinity x

County: Washington

Ownership: State County x Municipal Other

This bridge projects over: Road Railway x Water Land

Is the bridge located within a designated district: yes x no

NR listed district NR determined eligible district

locally designated other

Name of District _____

Bridge Type:

Timber Bridge

Beam Bridge Truss-Covered Trestle

Timber-and-Concrete

Stone Arch

Metal Truss

Movable Bridge

Swing Bascule Single Leaf Bascule Multiple Leaf

Vertical Lift Retractable Pontoon

x Metal Girder

x Rolled Girder Rolled Girder Concrete Encased

Plate Girder Plate Girder Concrete Encased

Metal Suspension

☐ Metal Arch

☐ Metal Cantilever

☐ Concrete

☐ Concrete Arch ☐ Concrete Slab ☐ Concrete Beam

☐ Rigid Frame

☐ Other Type Name _____

Description:

Describe Setting: W 6081 (W 608110) carries Marble Quarry Road over Little Antietam Creek in Washington County, Maryland. Marble Quarry Road runs northeast-southwest at this location; Little Antietam Creek flows north-south. The area adjacent to the bridge is slightly wooded, with open fields and several 20th century structures in view.

Describe Superstructure and Substructure: W 6081 (W 608110) is single span steel stringer bridge supporting a timber deck and carrying one lane of traffic. There are steel W-beam guardrails on either side of the deck and anchored to the fascia beam. The present condition of the superstructure is good, with some rust on the beams. The 1993 inspection report recommended cleaning of beams and repainting, and repairs to the timber deck. The span length and total bridge length is 31'.

The substructure is stone masonry abutments and wing walls with concrete caps. The abutments and wing walls are in a state of deterioration, with spalled areas in most of the masonry. There is undermining at the base of both abutments due to channel flow and lodged debris. The 1993 inspection report recommended immediate repairs to the abutments and wing walls, and scour protection being applied at water level.

Discuss Major Alterations: In 1973 the timber deck was replaced, new W-beam guardrails were added, and the steel channel posts were replaced. It was also at this time that the concrete caps were added to the tops of the abutments. There is no indication that any of the steel stringers were replaced.

History:

When Built: 1920

Why Built: local transportation needs

Who Built:

Why Altered: safety needs and structural improvements

Was this bridge built as part of an organized bridge building campaign: yes

Surveyor Analysis:

This bridge may have NR significance for association with:

☐ A Events ☐ Person
☐ C Engineering/Architectural

Was this bridge constructed in response to significant events in Maryland or local history:No

When the bridge was built and/or given a major alteration, did it have a significant impact on the growth and development of the area:No

Is the bridge located in an area which may be eligible for historic designation and would the bridge add to or detract from historic and visual character of the possible district:No

Is the bridge a significant example of its type:No, W 6081 (W 608110) is merely a typical example of an early 20th century steel stringer bridge.

Does the bridge retain integrity of the important elements described in the Context Addendum:There have been extensive alterations made to the deck and floor system of W 6081 (W 608110). Therefore it is likely that they have lost their integrity. The addition of concrete caps, plus the deteriorating condition of the abutments raises questions about the integrity of these elements as well. The only structural element which has not been altered would be the steel stringers, considered primary CDE's. It is likely that they retain their original integrity, but the structure as a whole does not.

Is the bridge a significant example of the work of the manufacturer, designer, and/or engineer and why:No

Should this bridge be given further study before significance analysis is made and why:
Further study should not be necessary for W 6081 (W 608110).

Bibliography:

Greiner, Inc.

1995 Historic Bridge Inventory Form.

Spero, P.A.C. & Company, and Louis Berger & Associates

1994 Historic Bridges in Maryland : Historic Bridge Context.

United States Geological Survey

1978 7.5' Keedysville Quadrangle.

Washington County

v.d. Bridge Inspection Files.

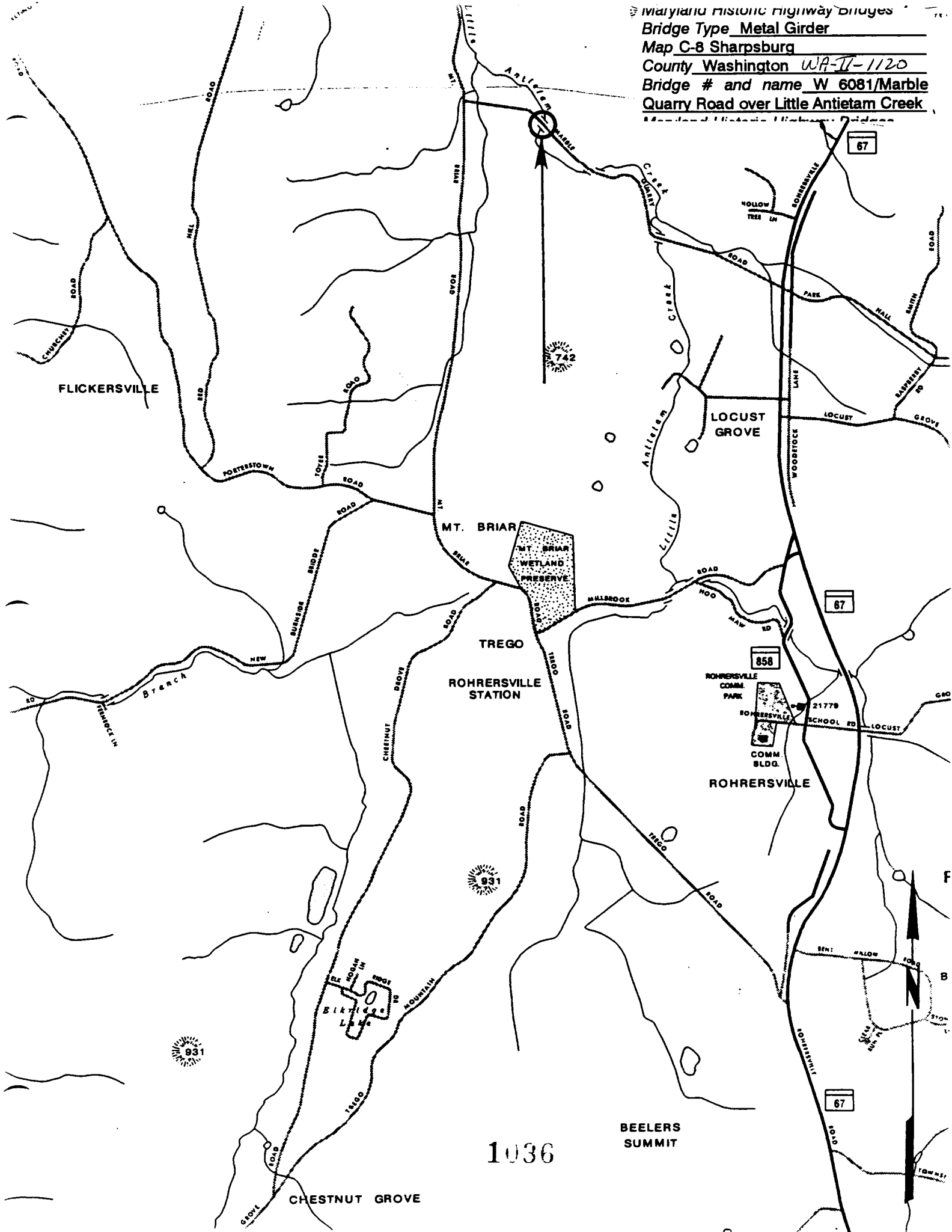
Surveyor:

Name: Stephanie L. Bandy **Date:** September 1995

Organization: State Highway Admin. **Telephone:** (410) 321-2213

Address: 2323 West Joppa Road Brooklandville, MD 21022

Maryland Historic Highway Bridges
Bridge Type Metal Girder
Map C-8 Sharpsburg
County Washington WA-11-1120
Bridge # and name W 6081/Marble
Quarry Road over Little Antietam Creek
Standard Historic Highway Bridges





WA-II-1120 (BR # 20W608110) W6081

OVER LITTLE ANTIETAM CREEK
WASHINGTON CO., MD.

CHARLES ZIEGLER

2/24/95

S.H.A.

NORTHWEST APPROACH

1 OF 4



WA-II-1120 (BR # 20W608110) W6081

OVER LITTLE ANTIETAM CREEK

WASHINGTON CO., MD.

CHARLES ZIEGLER

2/24/95

S. H. A

SOUTHEAST APPROACH

2 OF 4



WA-II-1120 (BR# 20W608110) W 6081

OVER LITTLE ANTIETAM CREEK

WASHINGTON CO., MD.

CHARLES ZIEGLER

2/24/95

S. H. A

NORTHEAST ELEVATION (DOWNSTREAM)

3 OF 4



WA-II-1120

(BR # 200608110) W 6081

OVER LITTLE ANTIETAM CREEK

WASHINGTON CO., MD

CHARLES ZIEGLER

2/24/95

S. H. A.

SOUTHWEST ELEVATION
(UPSTREAM)

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